

Voltage Controlled Oscillator

JCOS-ED10356/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.4	5.54	118.5	118.7	119.3	4.64	4.46	3.98	-21.4	-49.7	-52.9	0.05	1	-99
0.8	4.78	120.6	120.6	121.0	4.78	4.63	4.27	-22.2	-50.0	-51.8	0.05	10	-123
1.2	4.36	122.4	122.3	122.6	4.90	4.77	4.45	-22.9	-51.0	-51.5	0.04	100	-143
1.6	4.09	124.1	124.0	124.1	5.02	4.88	4.61	-23.7	-51.3	-51.5	0.04	1000	-163
2.0	3.92	125.8	125.5	125.6	5.12	5.00	4.73	-24.4	-52.0	-49.8	0.04		
2.4	3.81	127.4	127.1	127.0	5.22	5.10	4.85	-25.1	-52.4	-49.6	0.03		
2.8	3.74	128.9	128.6	128.5	5.32	5.20	4.96	-25.7	-53.1	-49.1	0.03		
3.2	3.73	130.4	130.0	129.9	5.44	5.30	5.06	-26.2	-52.0	-48.2	0.02		
3.6	3.73	132.0	131.5	131.4	5.54	5.42	5.16	-26.8	-51.1	-47.6	0.02		
4.0	3.76	133.5	133.0	132.8	5.63	5.52	5.26	-27.4	-52.0	-48.2	0.02		
4.4	3.83	135.1	134.6	134.3	5.73	5.61	5.35	-28.2	-51.6	-47.3	0.01		
4.8	3.89	136.7	136.1	135.8	5.82	5.70	5.48	-28.9	-52.5	-47.0	0.01		
5.2	3.98	138.3	137.7	137.4	5.91	5.79	5.57	-29.6	-51.0	-47.1	0.00		
5.6	4.06	140.0	139.4	139.0	6.01	5.88	5.64	-30.4	-52.0	-46.8	0.00		
6.0	4.14	141.7	141.0	140.6	6.10	5.96	5.74	-31.2	-51.9	-46.4	0.00		
6.4	4.22	143.4	142.7	142.3	6.17	6.03	5.81	-31.9	-51.5	-46.4	0.01		
6.8	4.28	145.1	144.4	144.0	6.24	6.10	5.88	-32.8	-51.0	-45.8	0.01		
7.2	4.32	146.8	146.1	145.7	6.31	6.16	5.94	-33.4	-50.3	-45.2	0.02		
7.6	4.36	148.6	147.9	147.4	6.34	6.19	5.98	-34.3	-50.0	-45.6	0.03		
8.0	4.37	150.3	149.6	149.2	6.36	6.22	6.00	-35.0	-49.3	-44.7	0.04		
8.4	4.39	152.1	151.4	150.9	6.36	6.22	5.99	-35.7	-49.6	-44.3	0.05		
8.8	4.38	153.8	153.1	152.7	6.33	6.19	5.97	-36.4	-47.5	-45.2	0.06		
9.2	4.38	155.6	154.9	154.4	6.27	6.14	5.92	-36.9	-47.7	-43.9	0.07		
9.6	4.37	157.3	156.6	156.2	6.17	6.05	5.83	-38.1	-47.6	-43.9	0.08		
10.0	4.36	159.1	158.4	157.9	6.04	5.93	5.73	-38.5	-47.3	-43.6	0.08		
10.4	4.35	160.8	160.1	159.6	5.88	5.76	5.58	-39.1	-47.4	-43.3	0.08		
10.8	4.33	162.6	161.9	161.3	5.66	5.57	5.40	-39.8	-46.5	-42.8	0.08		
11.2	4.31	164.3	163.6	163.1	5.41	5.32	5.16	-40.3	-45.9	-42.4	0.09		
11.6	4.28	166.0	165.3	164.8	5.09	5.05	4.91	-40.7	-45.6	-42.1	0.09		
12.0	4.23	167.7	167.0	166.4	4.78	4.76	4.64	-41.1	-45.0	-41.7	0.09		
12.4	4.19	169.4	168.7	168.1	4.44	4.45	4.35	-41.5	-43.9	-41.1	0.09		
12.8	4.11	171.1	170.3	169.8	4.08	4.12	4.02	-41.4	-43.2	-40.6	0.10		
13.2	4.03	172.7	171.9	171.4	3.71	3.77	3.69	-41.6	-42.9	-39.8	0.12		
13.6	3.95	174.2	173.5	173.0	3.33	3.42	3.35	-42.4	-42.0	-39.7	0.13		
14.0	3.85	175.8	175.0	174.5	2.95	3.06	2.99	-42.3	-41.5	-39.0	0.15		
14.4	3.76	177.3	176.5	176.0	2.57	2.69	2.63	-42.4	-40.8	-38.4	0.18		
14.8	3.65	178.7	178.0	177.5	2.20	2.34	2.28	-42.4	-39.9	-38.0	0.20		
15.2	3.54	180.1	179.4	178.9	1.83	1.98	1.94	-42.6	-39.5	-37.2	0.22		
15.6	3.42	181.5	180.8	180.3	1.46	1.63	1.60	-42.8	-38.7	-36.7	0.24		
16.0	3.29	182.8	182.1	181.6	1.11	1.28	1.27	-42.4	-38.1	-36.4	0.26		